JETP Letters 2003 vol.78 N11, pages 718-721

Photostimulated phenomena in relaxors

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Abstract

The action of illumination on the conducting and dielectric properties of lead magnoniobate was investigated. The photostimulated currents were examined and the spectral dependence of photoconductivity in the region of diffuse phase transition was obtained. It was found that the illumination affects the dielectric properties and that its action is memorized at temperatures below room temperature. The role of defect states in the formation of relaxor properties is discussed on the basis of the obtained data. © 2003 MAIK "Nauka/Interperiodica".

http://dx.doi.org/10.1134/1.1648294